Please amend the paragraph at page 3, lines 20-23, of the specification as follows:

(ii)   determining two points that are the intersections between the MSP and the volume of the brain shown in the image under examination, denoting the two points as A $(x_A, y_A, 0)$ and $\underline{B}$ $(x_B, y_B, 0)$, both of the two points being on the MSP;

Please amend the paragraph at page 4, lines 9-20, of the specification as follows:

(v)   changing the original coordinate system OXYZ to the reformatted co- ordinate system O' X' Y'Z', the unit vectors of the co-ordinates O'X', O'Y' and O'Z' being calculated in the following manner:

$$O' X' = (a, b, c) = (n_{x1}, n_{y1}, n_{z1})$$
$$O'Y' = ((x_{\underline{A}}[[A]]-x_{\underline{B}}[[B]])/ |A\text{-}B|, (y_{\underline{A}}[[A]] - y_{\underline{B}}[[B]])/ |A\text{-}B| ,0) = (n_{x2}, n_{y2}, n_{z2})$$
$$O'Z' = O'X'xO'Y' = (n_{x3}, n_{y3}, n_{z3})$$

where $|A\text{-}B|$ is the Euclidean distance between points A and B, the transformation between OXYZ and O'X'Y'Z' being defined as follows:

$$X' = n_{x1} X + n_{y1} Y + n_{z1} Z$$
$$Y' = n_{x2} X + n_{y2} Y + n_{z2} Z$$
$$Z' = n_{x3} X + n_{y3} Y + n_{z3} Z$$
$$O' = 0.$$

Please amend the paragraph at page 12, lines 12-17, of the specification as follows:

b)   If the original coordinate system OXYZ is changed to O'X'Y'Z', the unit vectors of O'X', O'Y' and O'Z' are calculated in the following manner:

$$O' X' = (a, b, c) = (n_{x1}, n_{y1}, n_{z1})$$
$$O'Y'= ((x_{\underline{A}}[[A]]-x_{\underline{B}}[[B]])/ |A\text{-}B|, (y_{\underline{A}}[[A]]-y_{\underline{B}}[[B]])/ |A\text{-}B| ,0) = (n_{x2}, n_{y2}, n_{z2})$$

$O'Z' = O'X'xO'Y' = (n_{x3}, n_{y3}, n_{z3})$

where $|A-B|$ is the Euclidean distance between points A and B.